

Patent application to US 2001/0042660

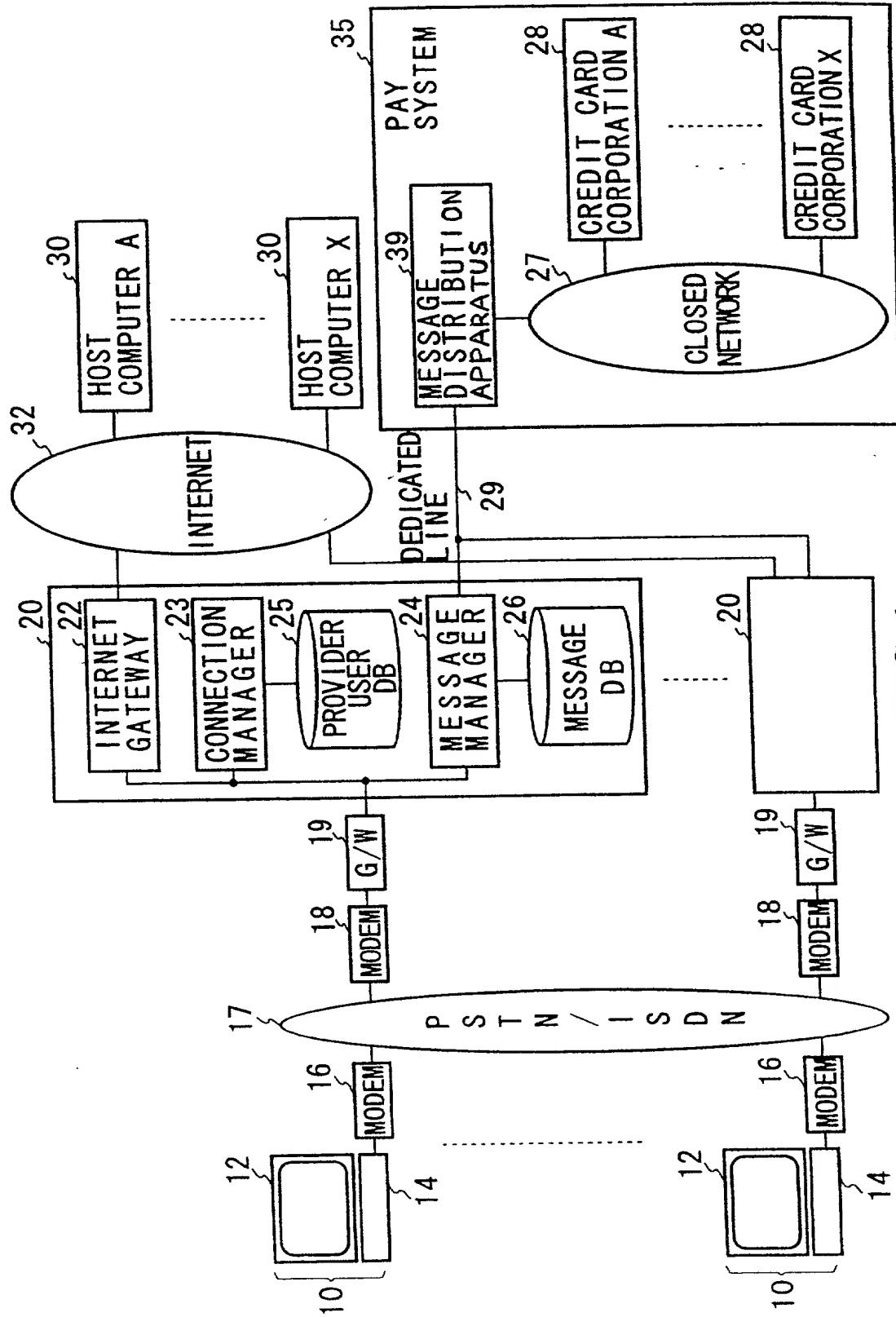


FIG.1

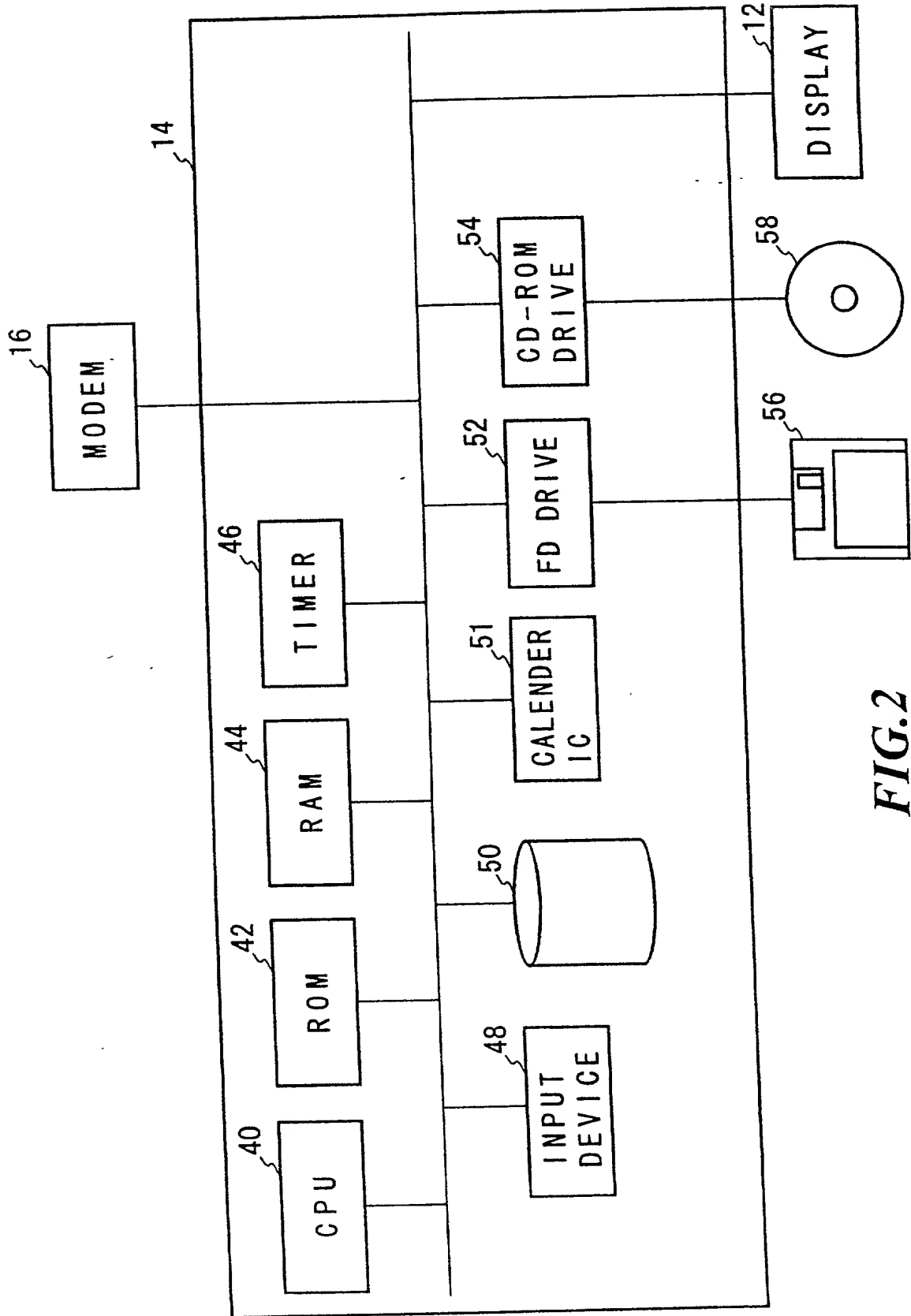


FIG.2

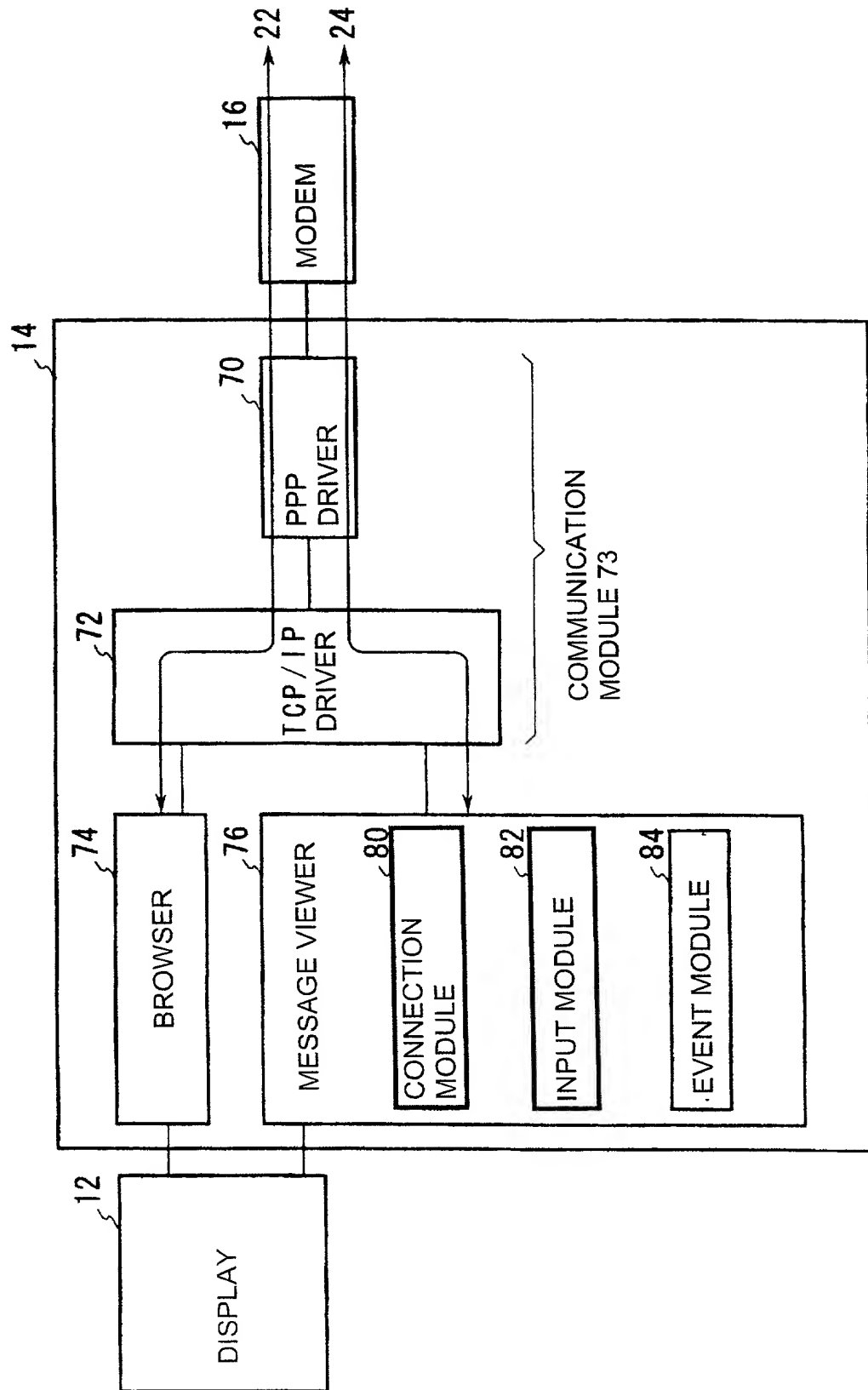


FIG.3

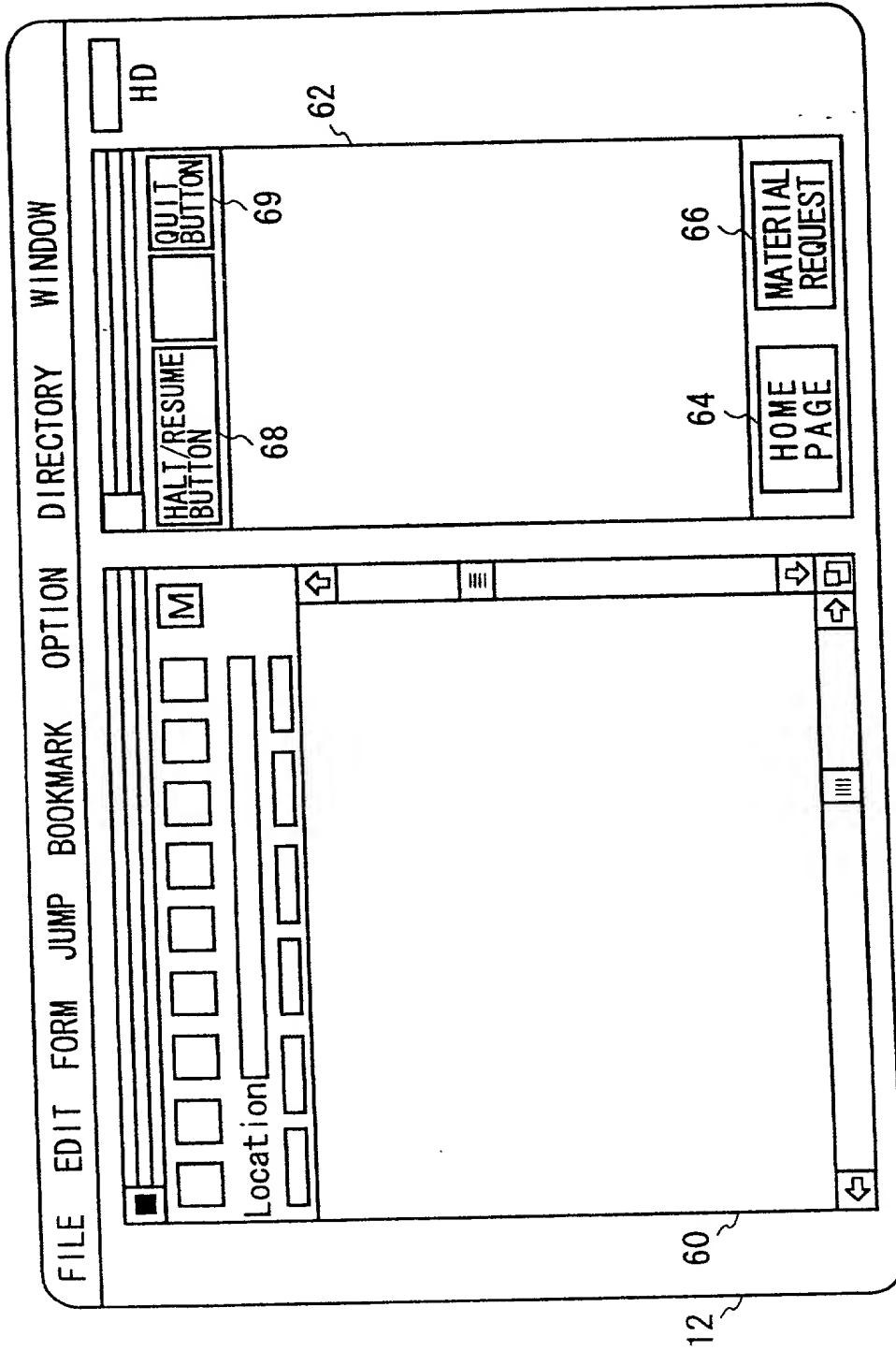


FIG.4

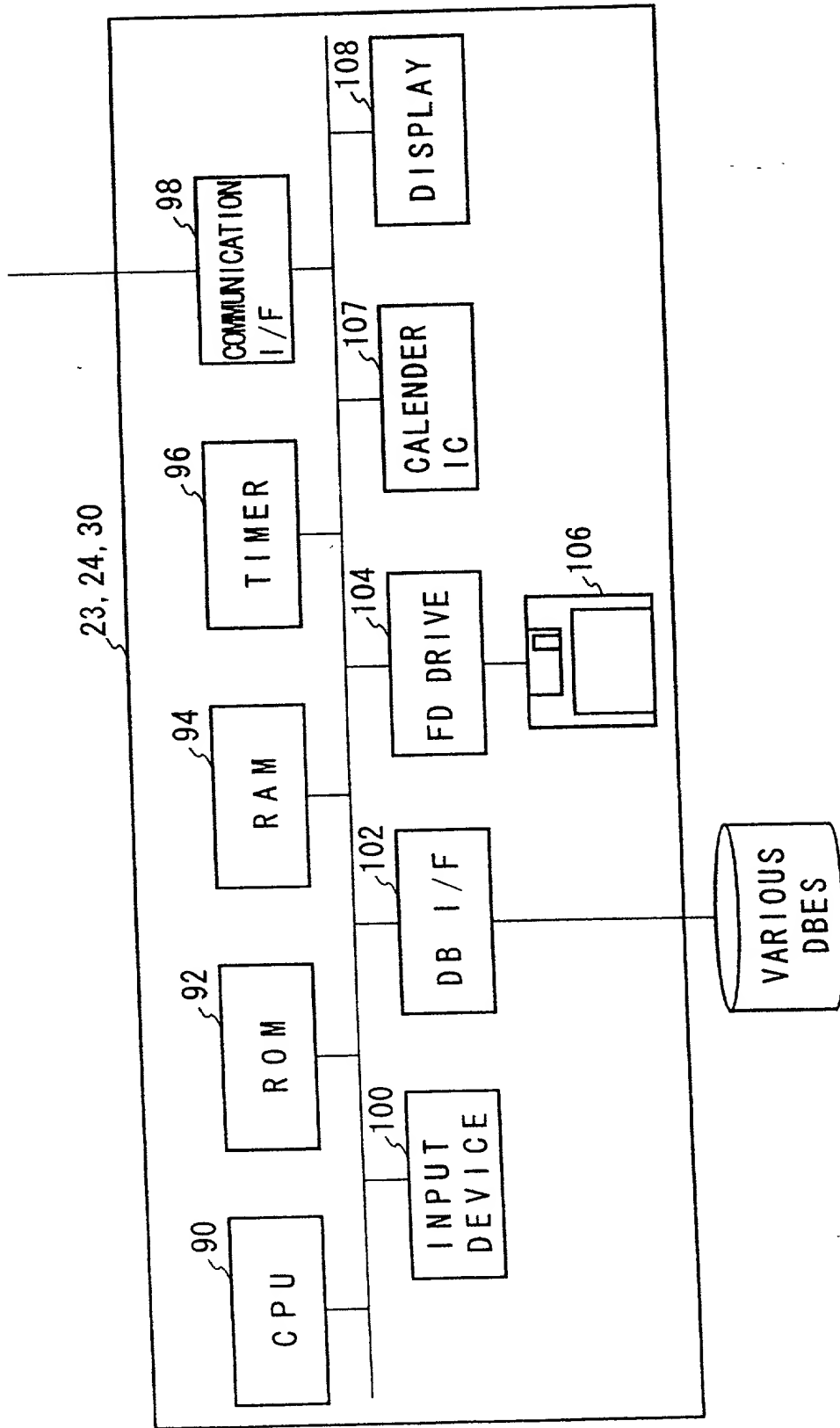


FIG. 5

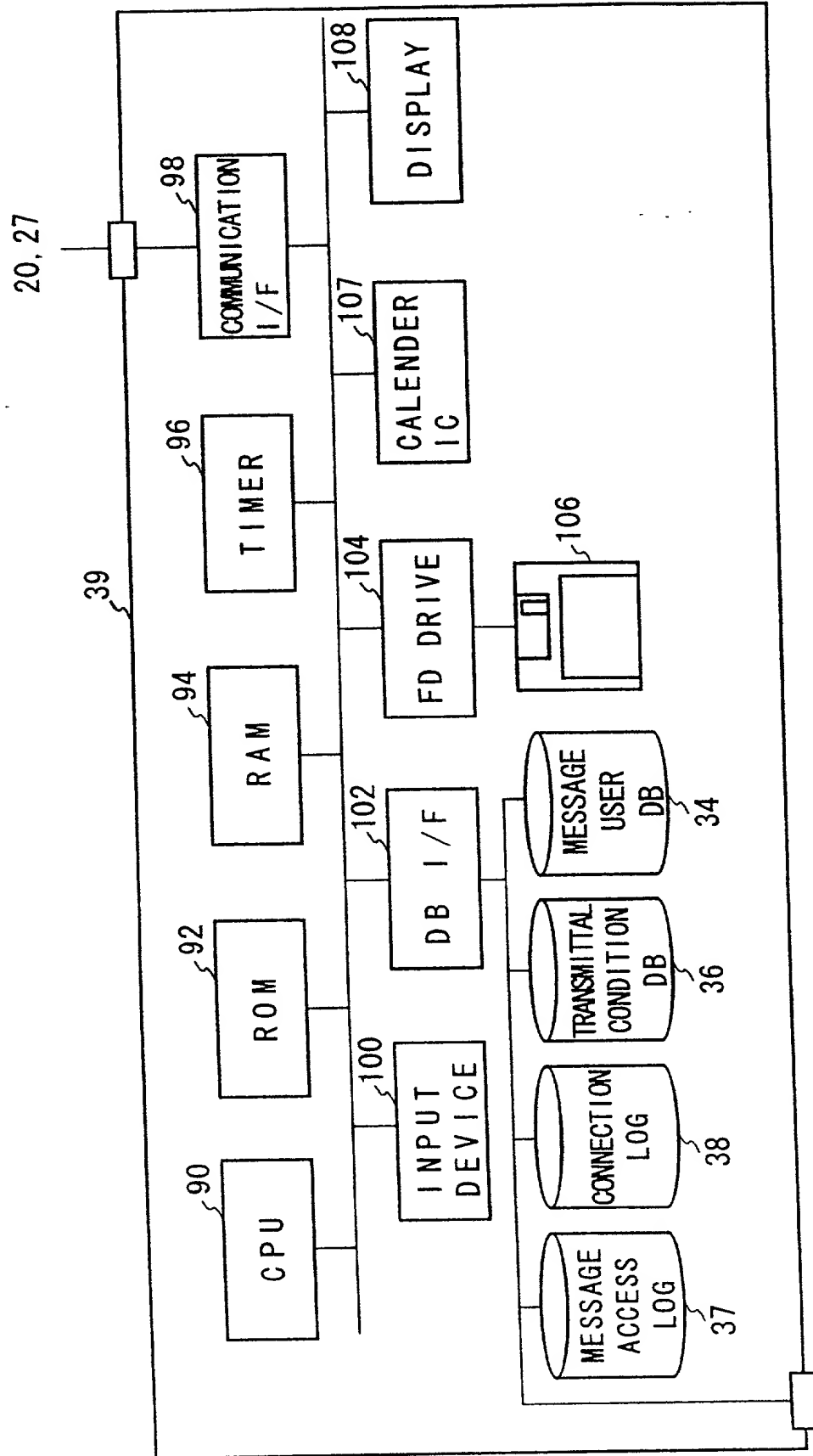


FIG. 6

MESSAGE USER DATABASE 34(A)

| MESSAGE<br>USER ID | MESSAGE<br>USER<br>PASSWORD | PROVIDER<br>ID | PROVIDER<br>USER ID | DISPLAYED<br>TIME | USER INFORMATION |        |         |             | ADDRESS               |
|--------------------|-----------------------------|----------------|---------------------|-------------------|------------------|--------|---------|-------------|-----------------------|
|                    |                             |                |                     |                   | DATE OF<br>BIRTH | SEX    | MARRIED | OCCUPATION  |                       |
| X X X              | Y Y Y                       | A              | Z Z Z               | 1:00:15           | 1968.6.2         | MALE   | NO      | CORPORATION | SHINJYUKU-KU<br>TOKYO |
| A A A              | B B B                       | B              | C C C               | 0:15:34           | 1967.1.7         | FEMALE | YES     | FREE        | ICHIKAWA<br>CHIBA     |
| 0 0 0              | P P P                       | A              | Q Q Q               | 15:23:56          | 1980.11.24       | MALE   | NO      | STUDENT     | SHIBUYA-KU<br>TOKYO   |
| .....              | .....                       | .....          | .....               | .....             | .....            | .....  | .....   | .....       | .....                 |

FIG.7

MESSAGE USER DATABASE (B)

| CREDIT CARD<br>NUMBER | LIMITATION | NAME             | LAST<br>COMMUNICATION<br>TIME | THE MONTH<br>BEFORE LAST<br>PARAMETER | LAST MONTH<br>PARAMETER | THIS MONTH<br>PARAMETER |
|-----------------------|------------|------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------|
| 2934-5612-6847-5587   | 98/6       | TARO<br>YAMADA   | 1996.3.31 23:00               | 471                                   | 516                     | 724                     |
| 4879-5517-5001-6901   | 97/9       | ICHIRO<br>TANAKA | 1996.4.4 21:15                | 436                                   | 325                     | 628                     |
| 9540-1735-9927-0513   | 97/4       | JIRO<br>SUZUKI   | 1996.4.2 00:45                | 488                                   | 412                     | 509                     |
| .....                 | .....      | .....            | .....                         | .....                                 | .....                   | .....                   |

332 334 336

FIG.8



TRANSMITTAL CONDITION DATABASE 36(A)

| MESSAGE URL | INDIVIDUAL LIMIT TYPE | INDIVIDUAL LIMIT | TOTAL LIMIT TYPE | TOTAL LIMIT | DISPLAYED TIME   | AGE   | SEX    | MARRIED | OCCUPATION  | ADDRESS  | RELATED MESSAGES |
|-------------|-----------------------|------------------|------------------|-------------|------------------|-------|--------|---------|-------------|----------|------------------|
| A           | DAY                   | 3                | DAY              | 1000        | ---              | 18-22 | MALE   | NO      | CORPORATION | TOKYO    | C                |
| B           | TOTAL                 | 10               | MONTH            | 10000       | ---              | ---   | FEMALE | YES     | STUDENT     | KANAGAWA | ---              |
| C           | MONTH                 | 8                | MONTH            | 500         | 1996.1.1 / 12:00 | ---   | ---    | NO      | ---         | KANTO    | A                |
| .....       | .....                 | .....            | .....            | .....       | .....            | ..... | .....  | .....   | .....       | .....    | .....            |

FIG.9

## TRANSMITTAL CONDITION DATABASE 36 (B)

[illegible]

FIG. 10

CONNECTION LOG 38

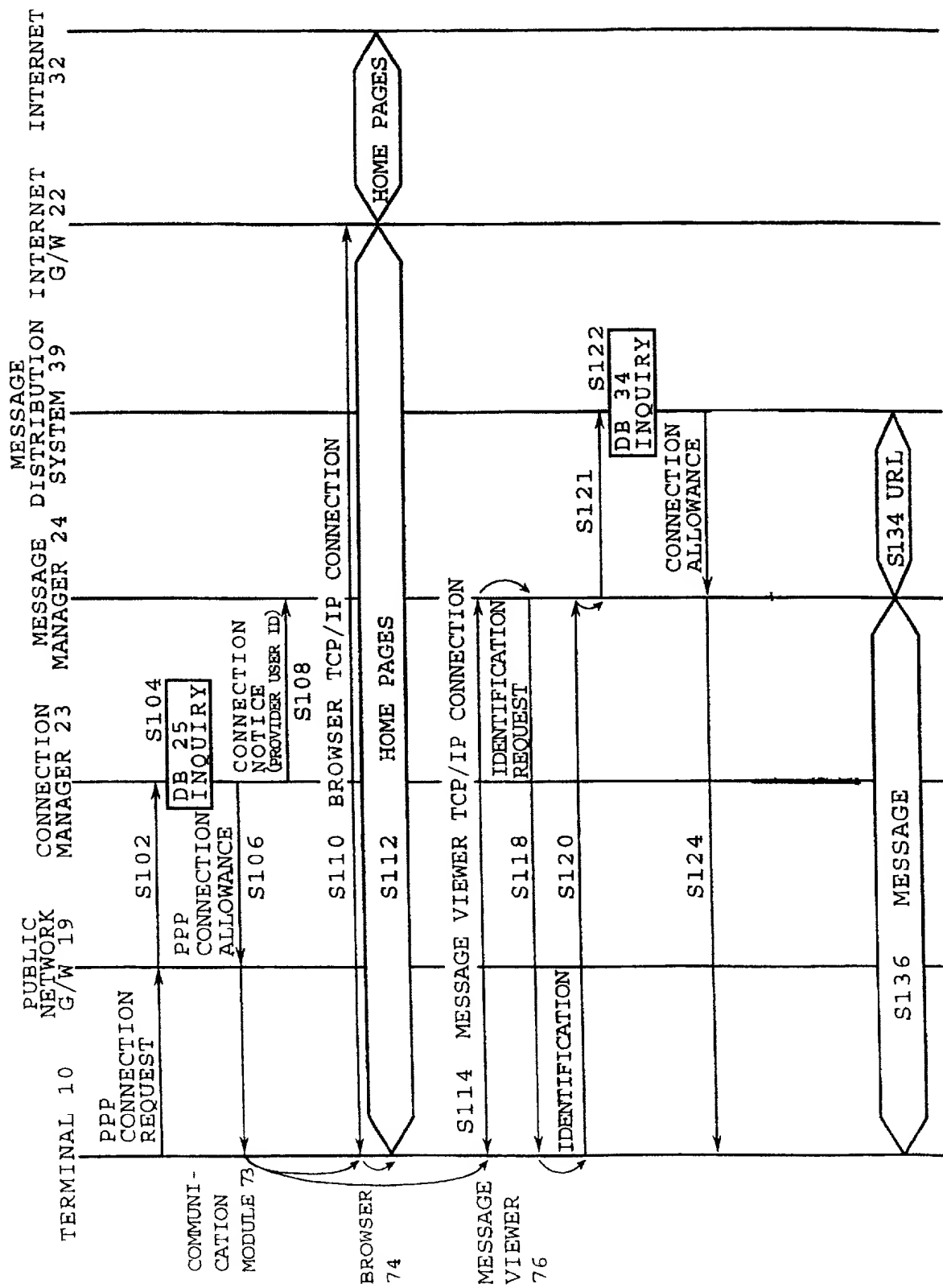
| PROVIDER ID | PROVIDER USER ID | EVENT        | DATE      | TIME    |
|-------------|------------------|--------------|-----------|---------|
| A           | X X X            | LOGIN        | 1996.1.31 | 0:15:00 |
| A           | X X X            | CHARGE HALT  | 1996.1.31 | 0:15:01 |
| B           | A A A            | LOGIN        | 1996.1.31 | 1:21:15 |
| A           | X X X            | CHARGE START | 1996.1.31 | 2:09:05 |
| A           | X X X            | CHARGE HALT  | 1996.1.31 | 2:15:08 |
| B           | B B B            |              |           |         |
| A           | C C C            |              |           |         |
| .....       | .....            |              |           |         |

FIG.11

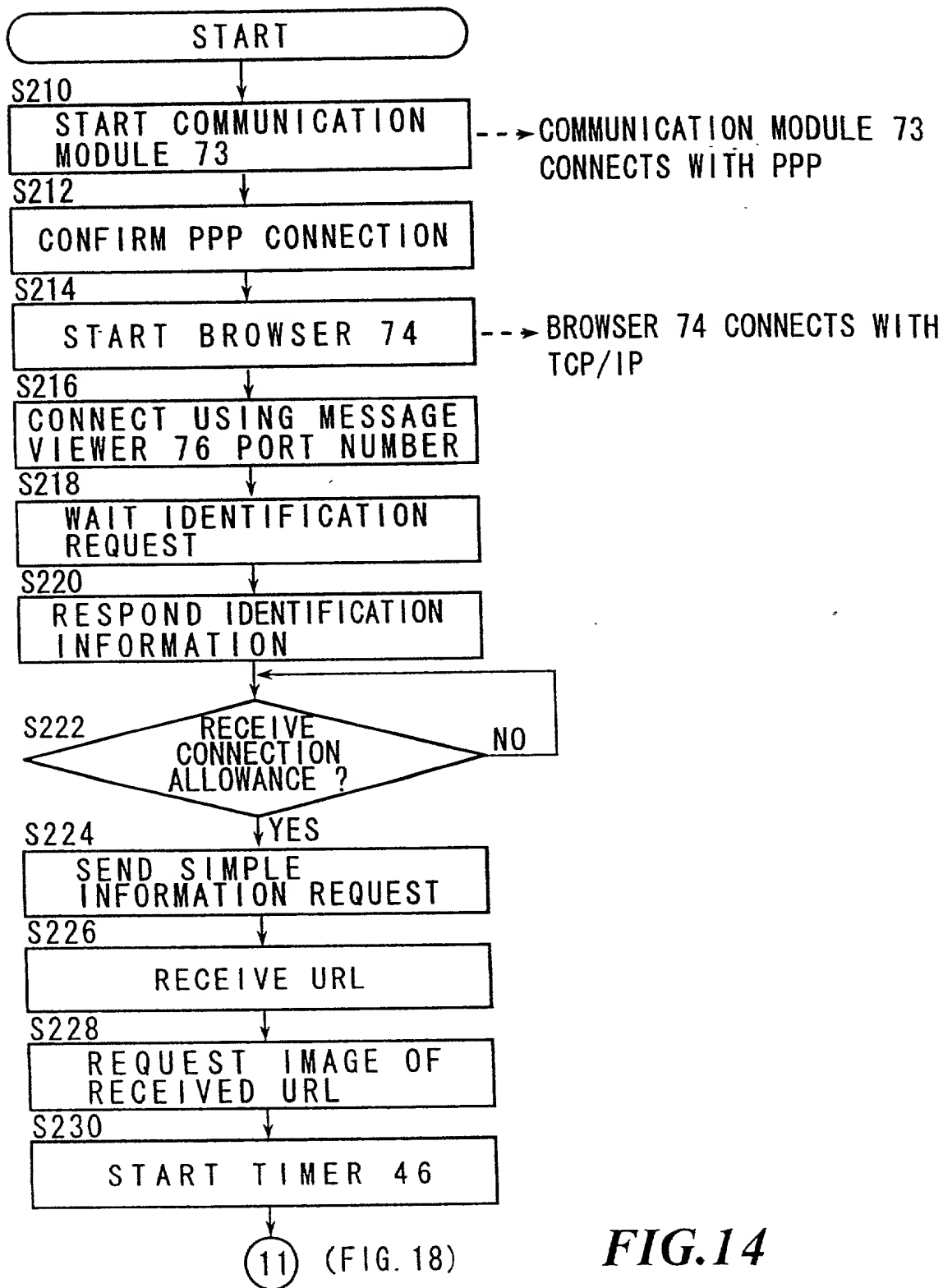
| MESSAGE<br>USER ID | MESSAGE ID | DISPLAYED<br>DATE | DISPLAYED<br>TIME | LOG TYPE |
|--------------------|------------|-------------------|-------------------|----------|
| 000                | B          | 1996.8.25         | 12:00             | 1        |
| SSS                | A          | 1996.8.25         | 12:05             | 3        |
| BBB                | L          | 1996.8.25         | 12:06             | 2        |
| .....              | .....      | .....             | .....             | .....    |

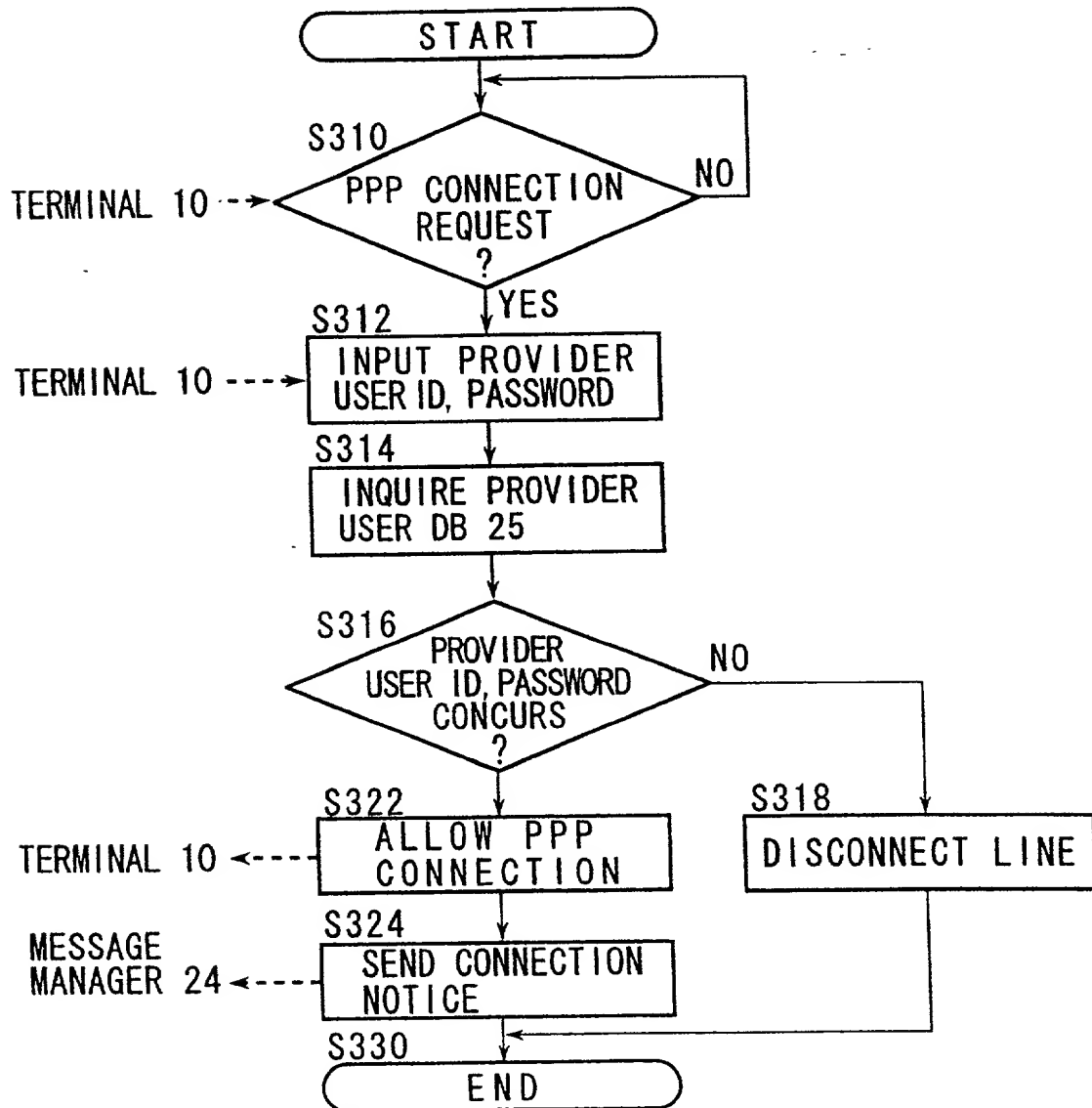
1: DISPLAY  
2: HOMEPAGE DISPLAY  
3: MATERIAL REQUEST

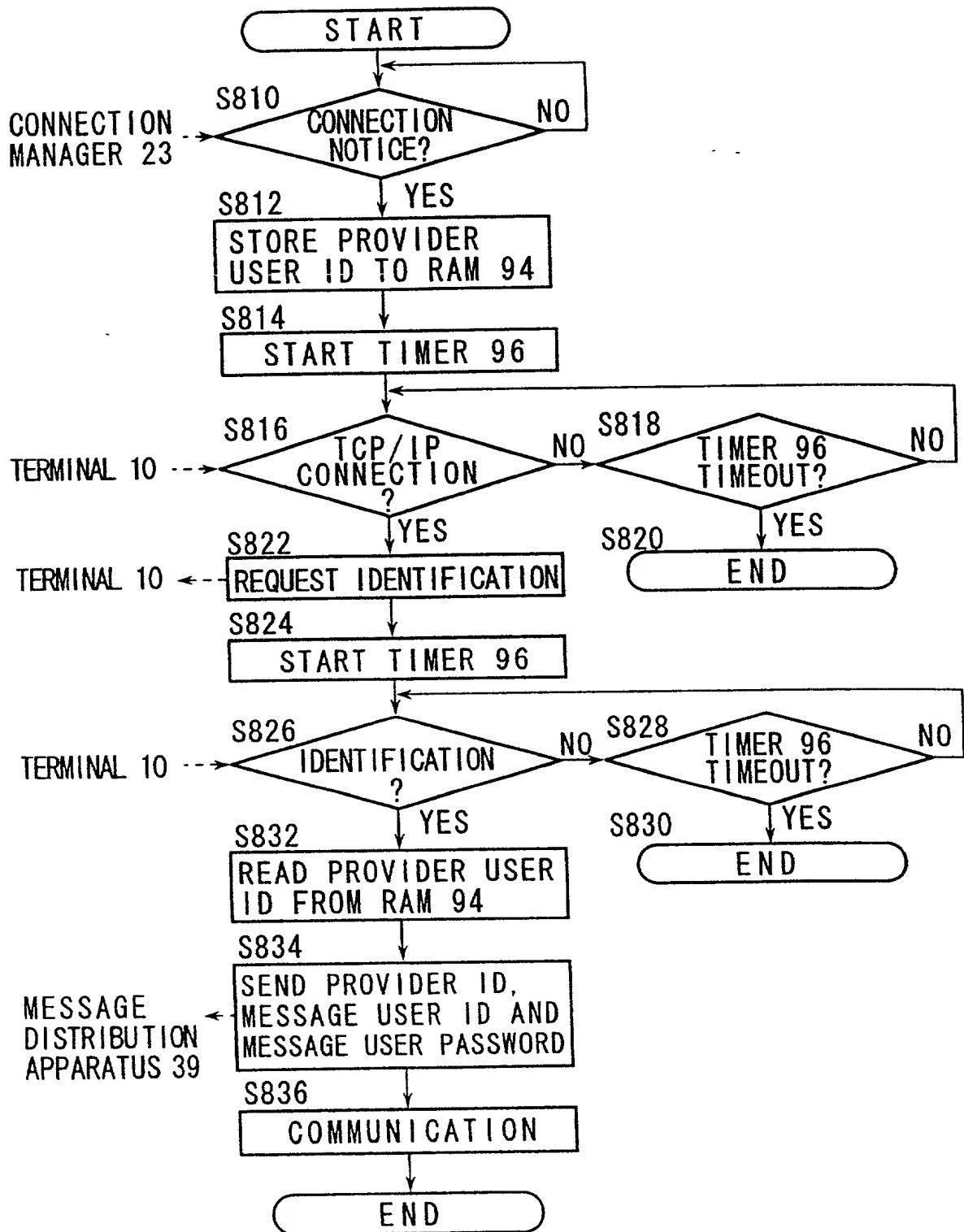
FIG.12



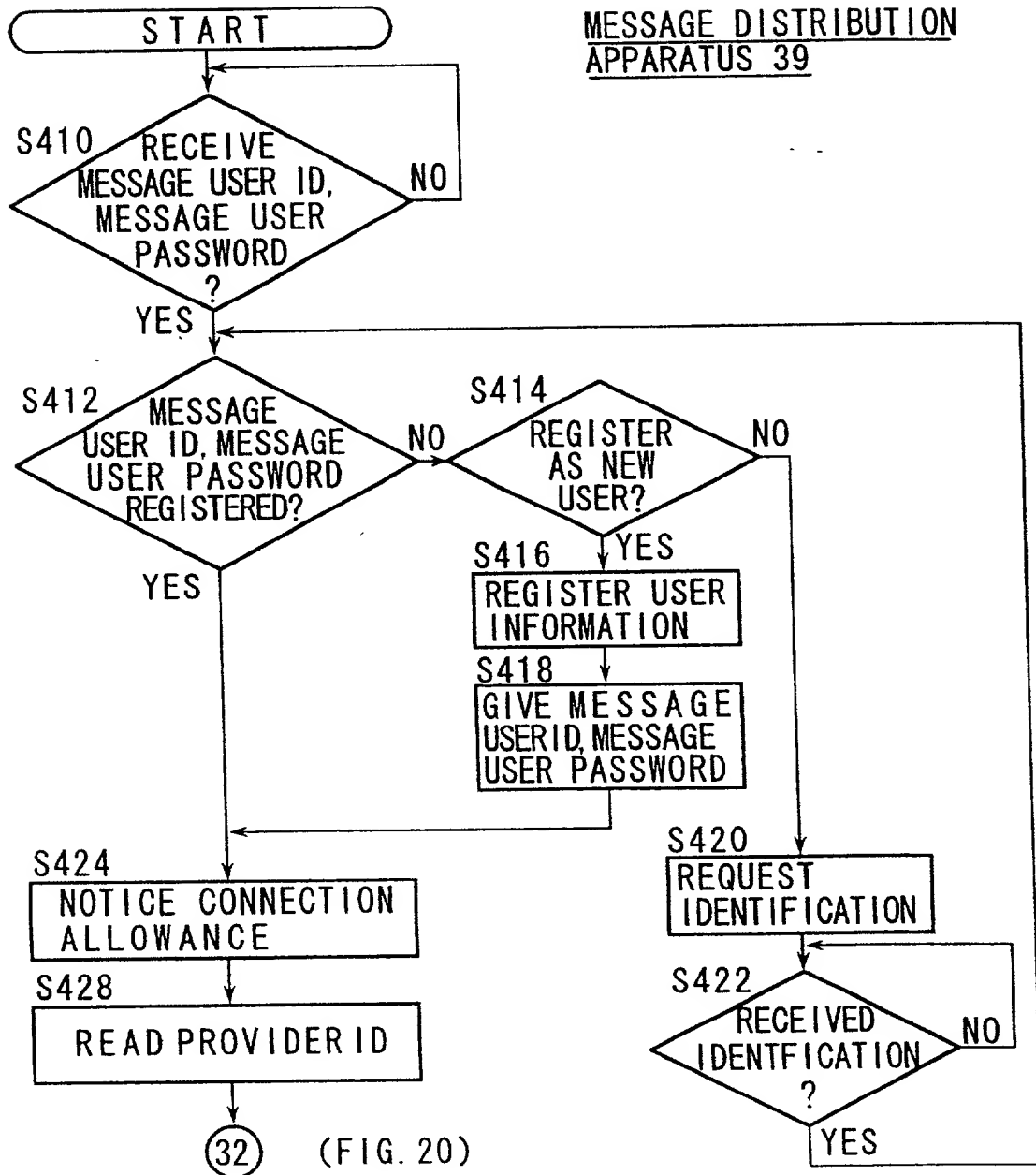
**FIG. 13**

CONNECTION MODULE 78**FIG.14**

CONNECTION MANAGER 23**FIG.15**

MESSAGE MANAGER 24**FIG.16**



MESSAGE DISTRIBUTION  
APPARATUS 39

(32) (FIG. 20)

**FIG.17**

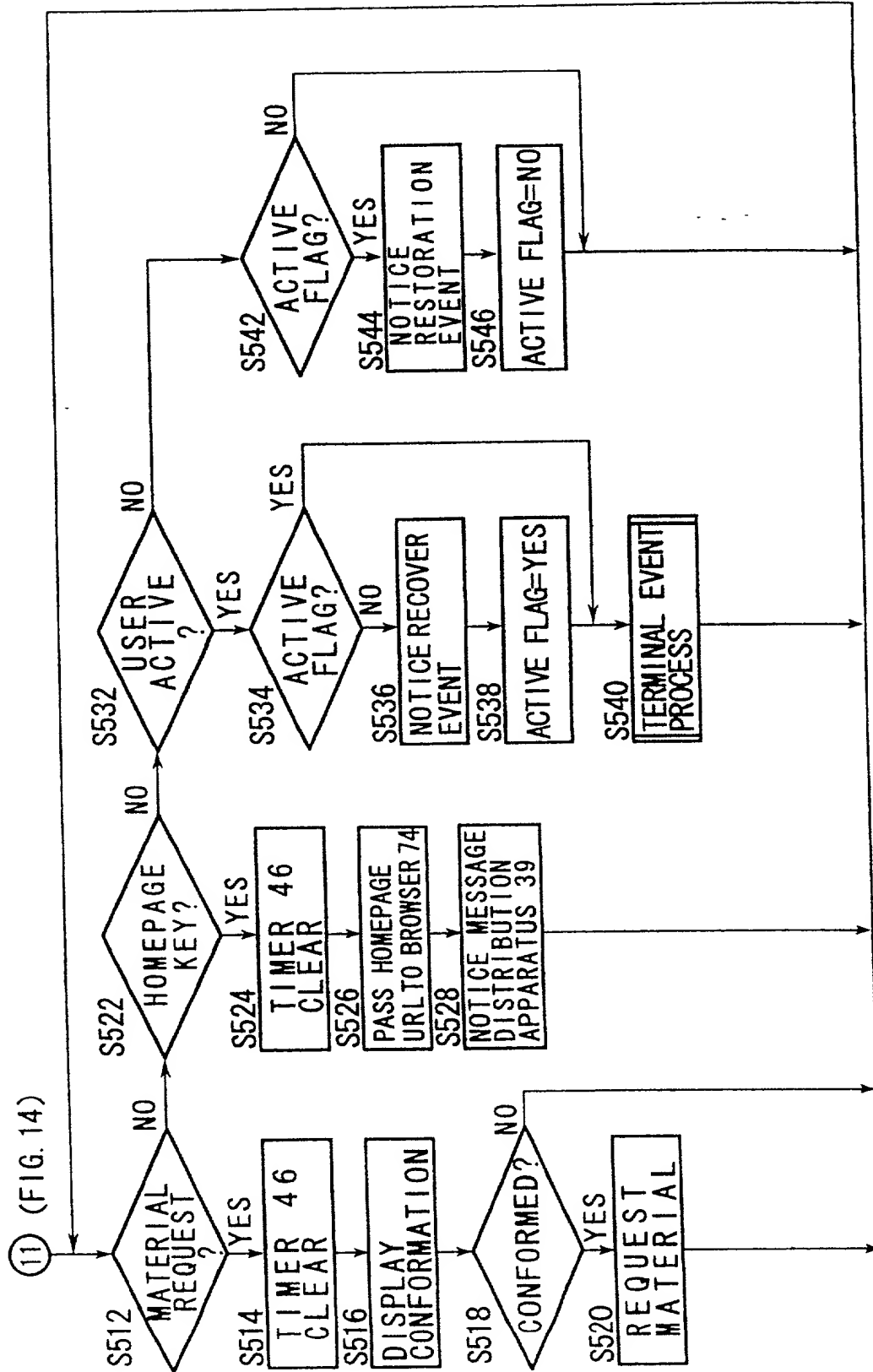
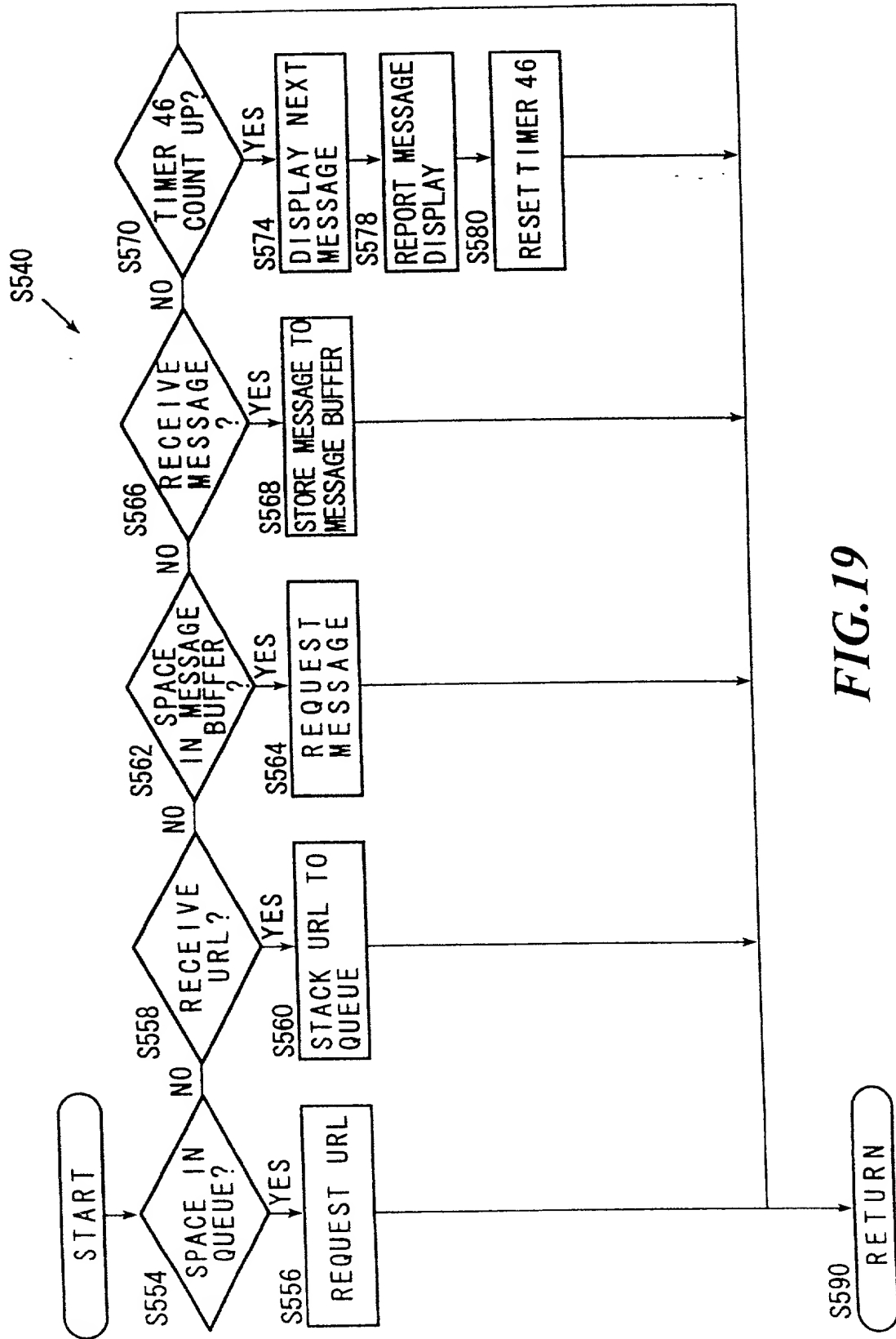


FIG.18



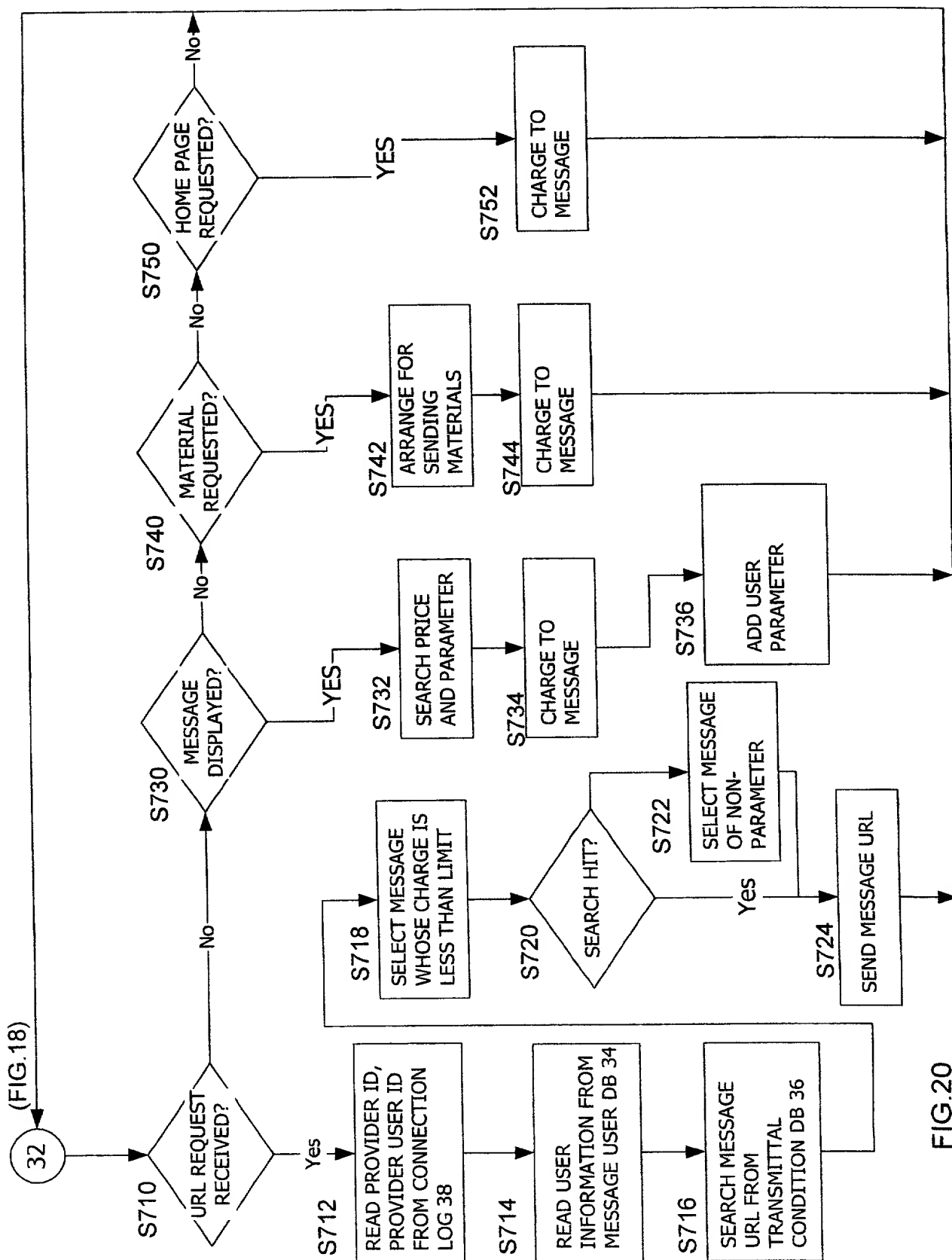


FIG. 20

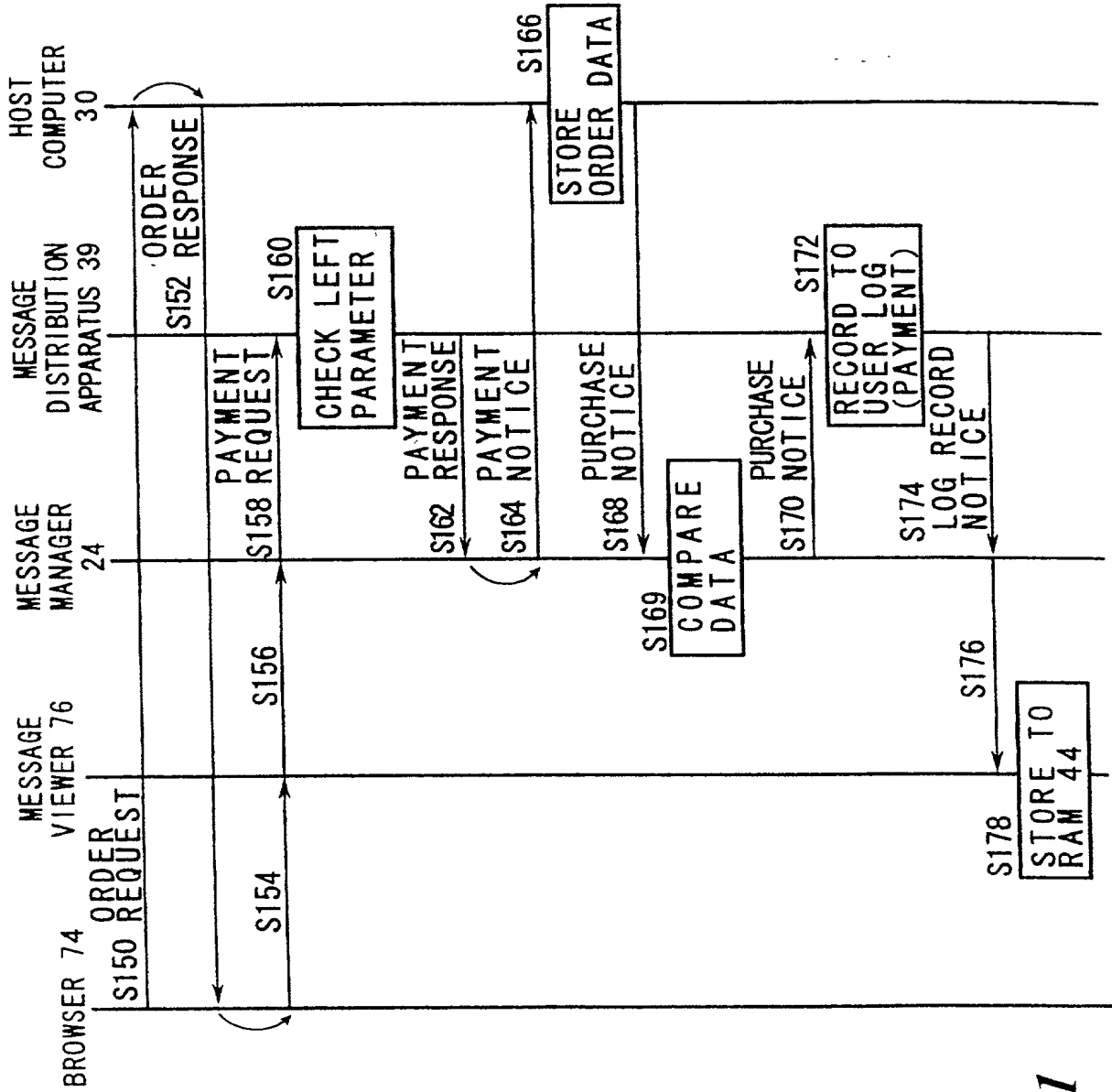


FIG.21

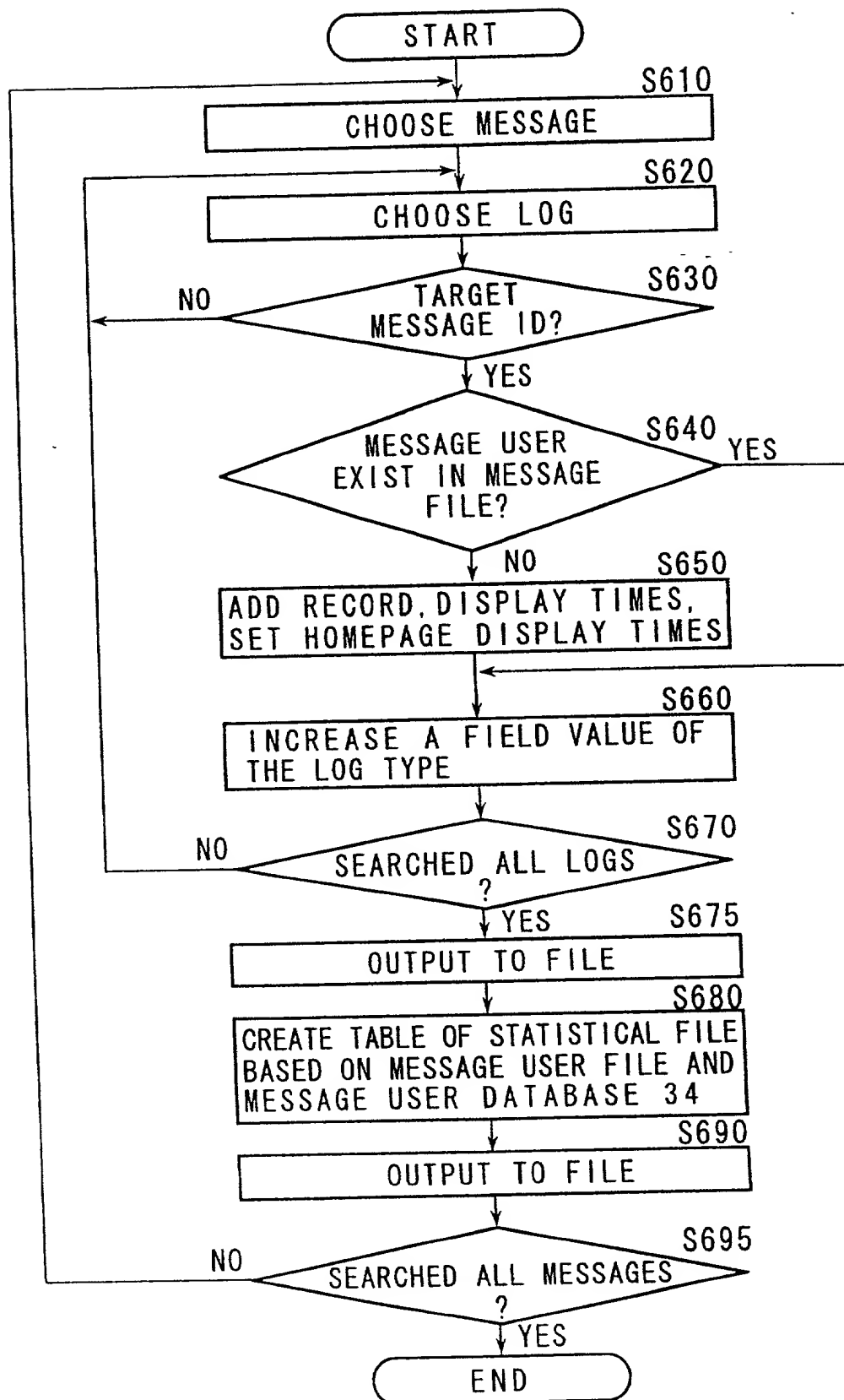


FIG.22



|                    | DISPLAY<br>TIMES | HOME PAGE<br>DISPLAY<br>TIMES | NUMBER OF<br>PEOPLE WHO<br>DISPLAYED<br>MESSAGES | HOME PAGE<br>NUMBER OF<br>PEOPLE WHO<br>DISPLAYED<br>MESSAGES | NUMBER OF<br>PEOPLE<br>REQUESTING<br>MATERIALS |
|--------------------|------------------|-------------------------------|--|---|--|
| TOTAL              |                  |                               |  |   |  |
| MAN                |                  |                               |  |   |  |
| FEMALE             |                  |                               |  |   |  |
| ~20<br>YEARS OLD   |                  |                               |  |   |  |
| 21~30<br>YEARS OLD |                  |                               |  |   |  |
| 31~40<br>YEARS OLD |                  |                               |  |   |  |
| 41~50<br>YEARS OLD |                  |                               |  |   |  |
| TOKYO              |                  |                               |  |   |  |
| CHIBA              |                  |                               |  |   |  |
| ...                | ...              | ...                           | ...  | ...   | ...  |

FIG.24



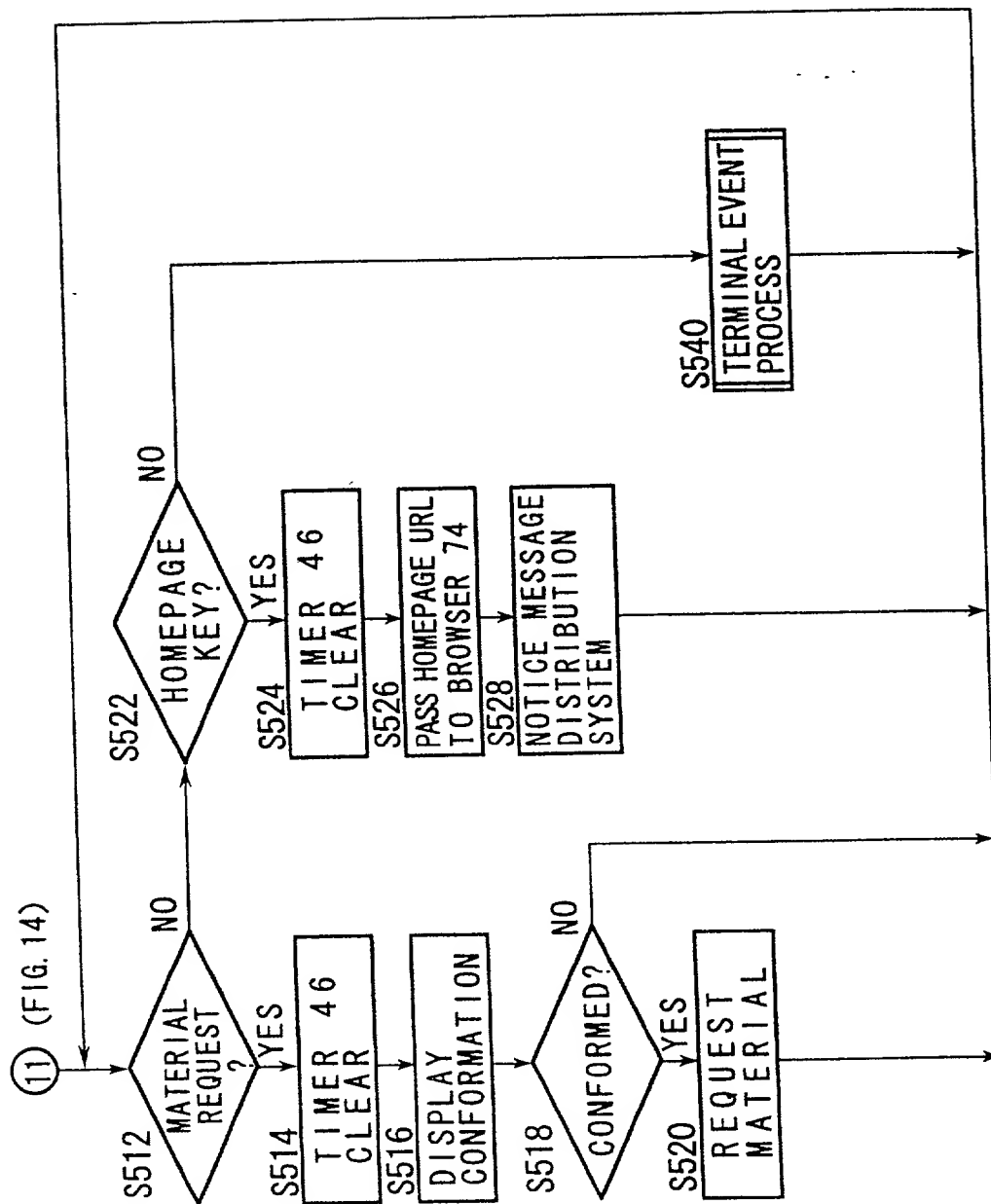
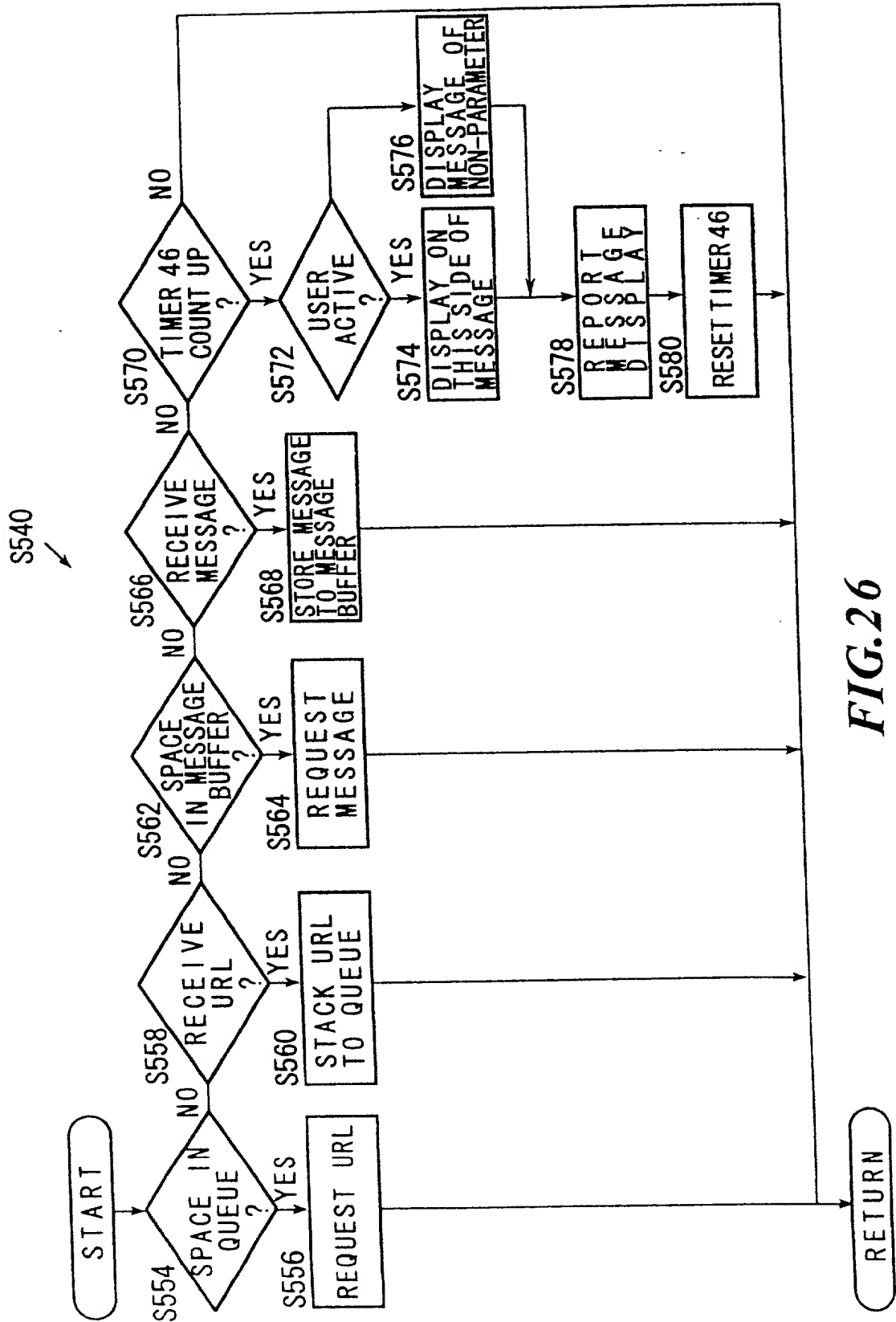


FIG.25



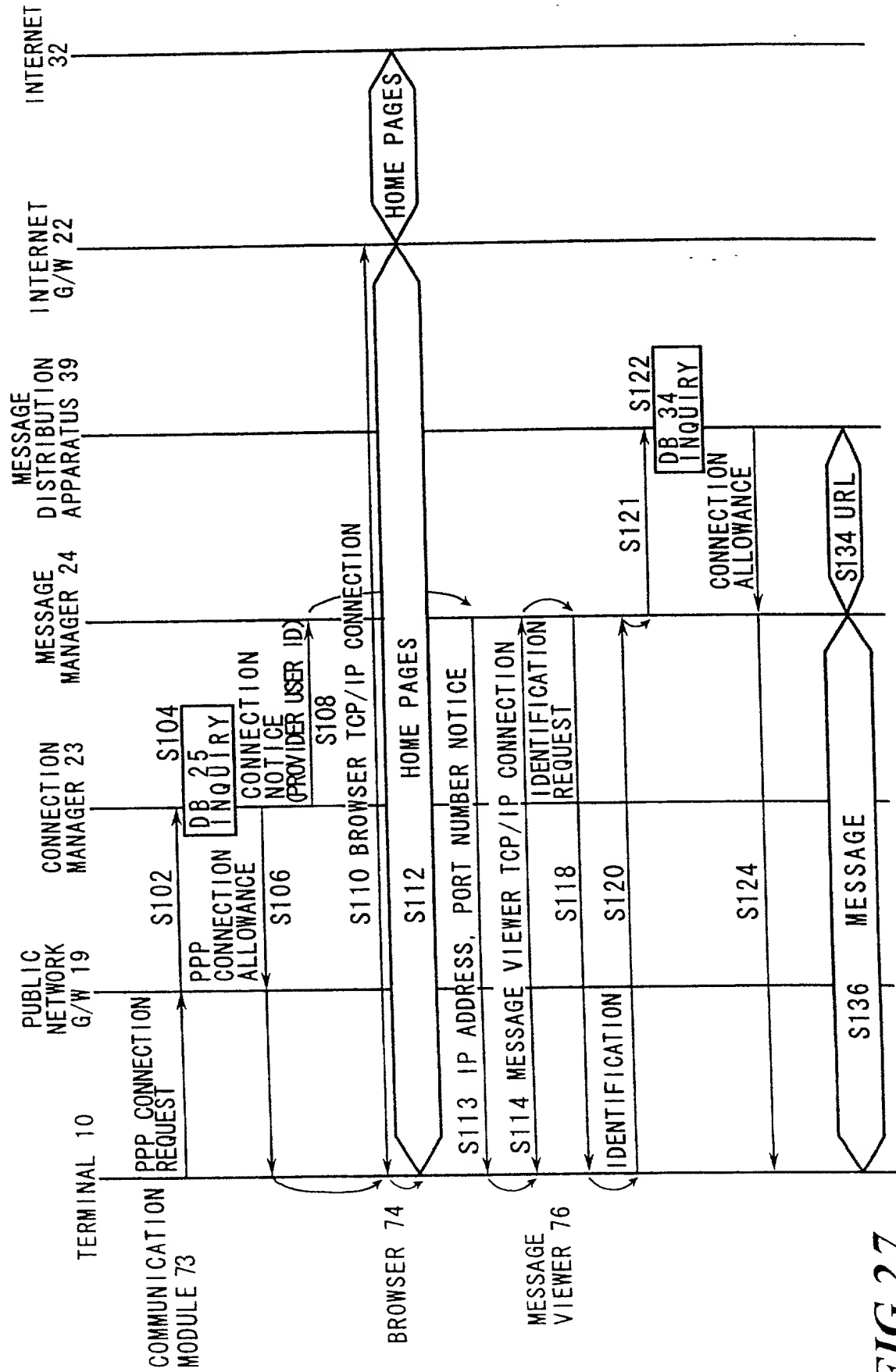


FIG.27

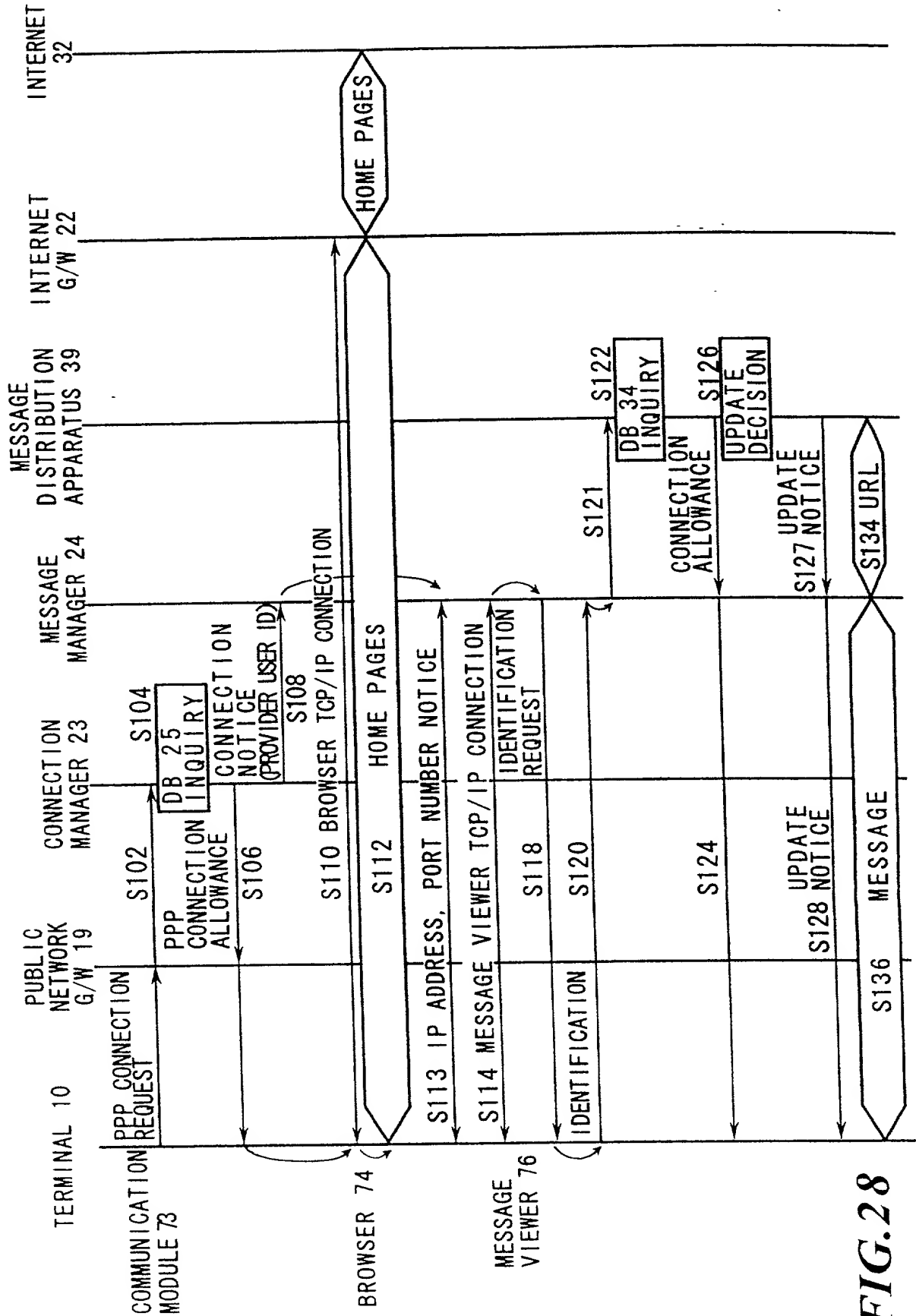
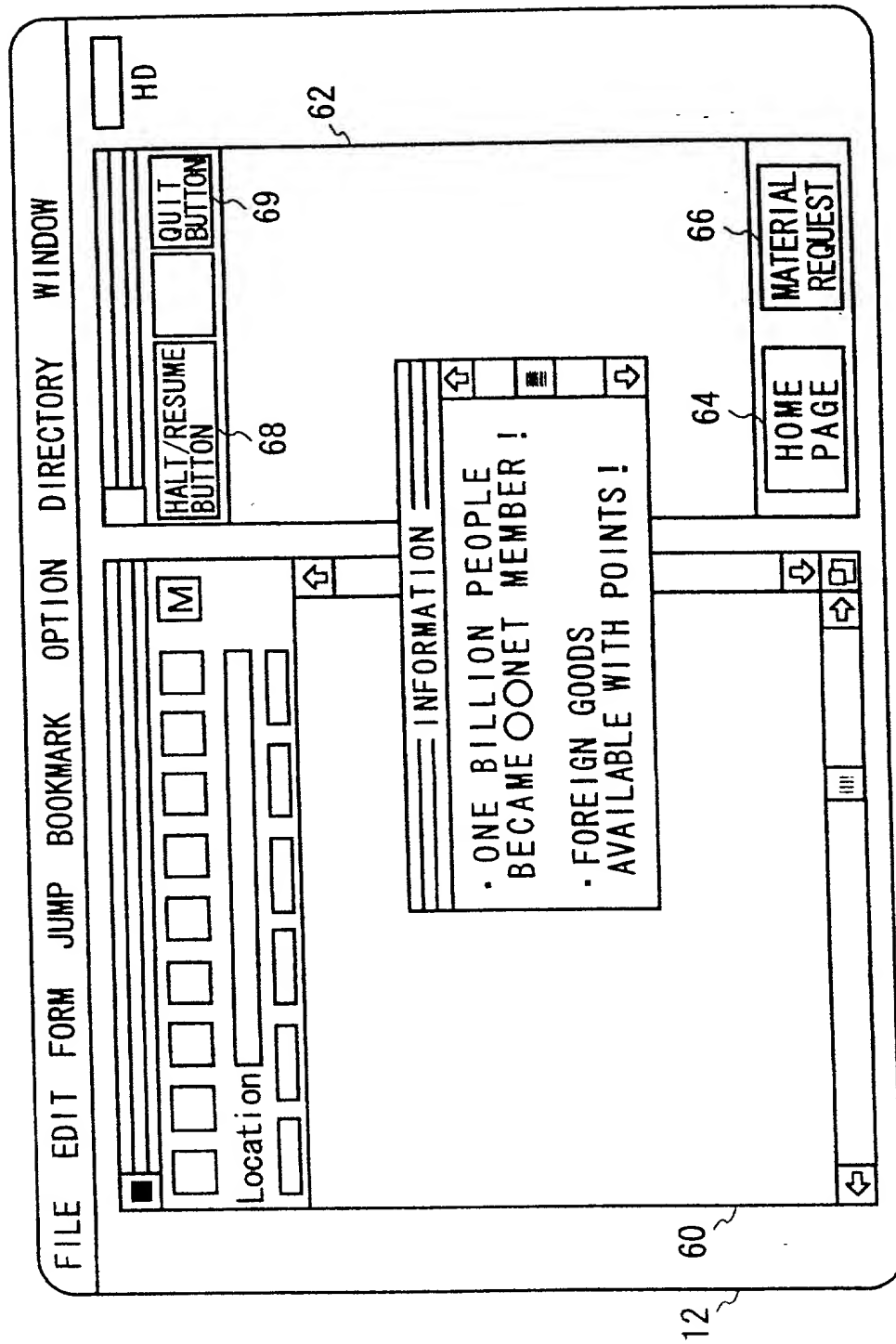
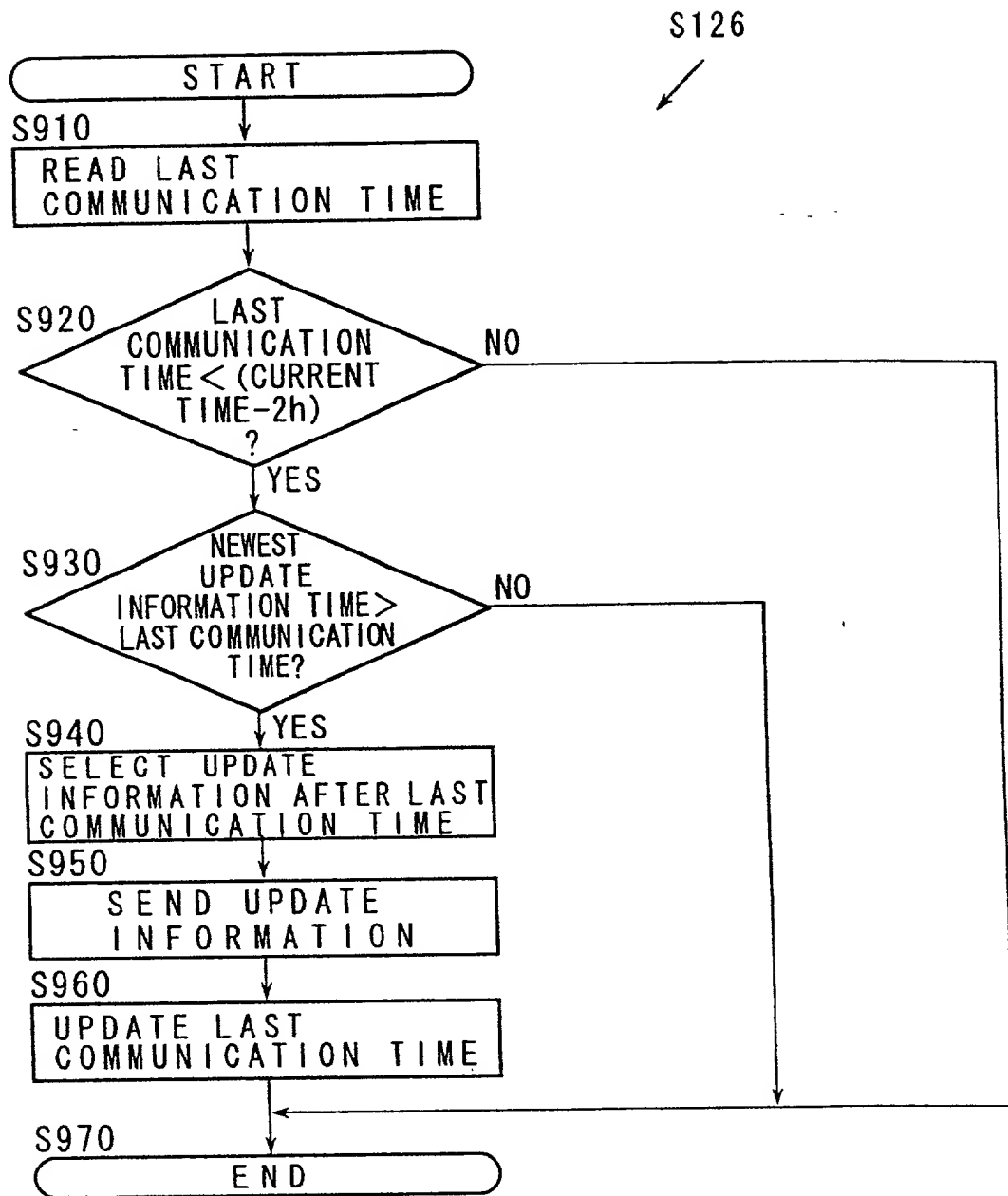


FIG.28



**FIG. 29**

**FIG.30**



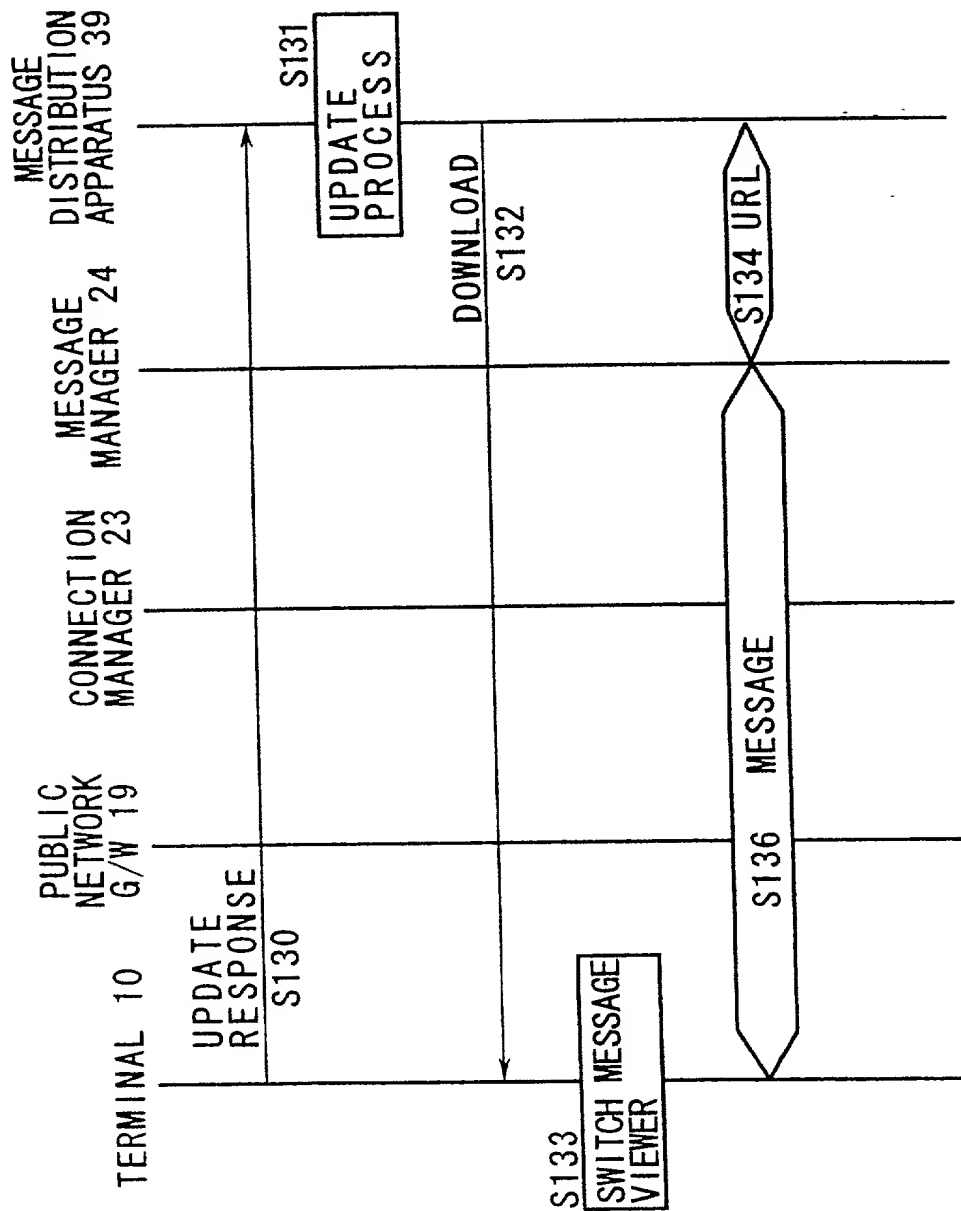


FIG.32



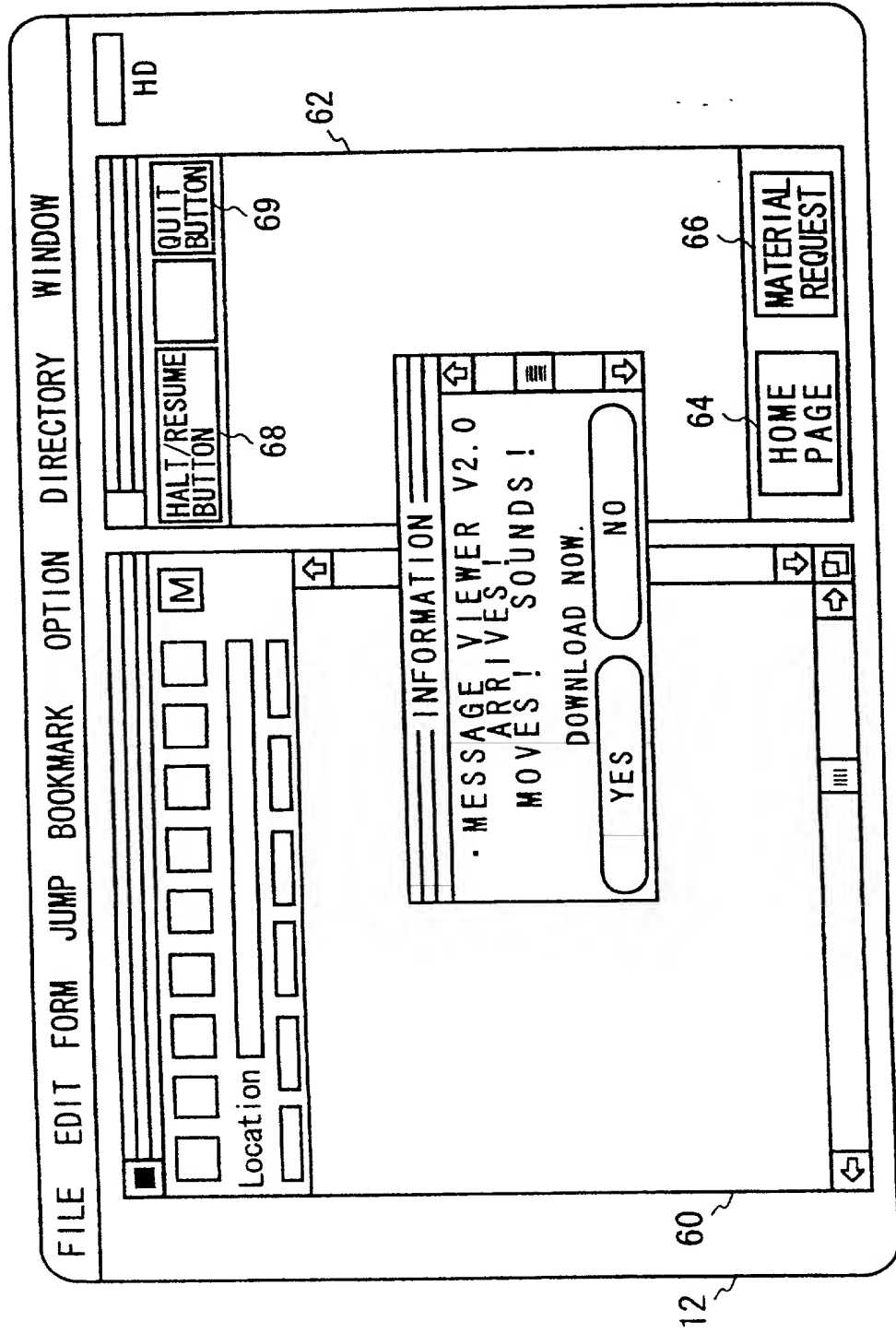
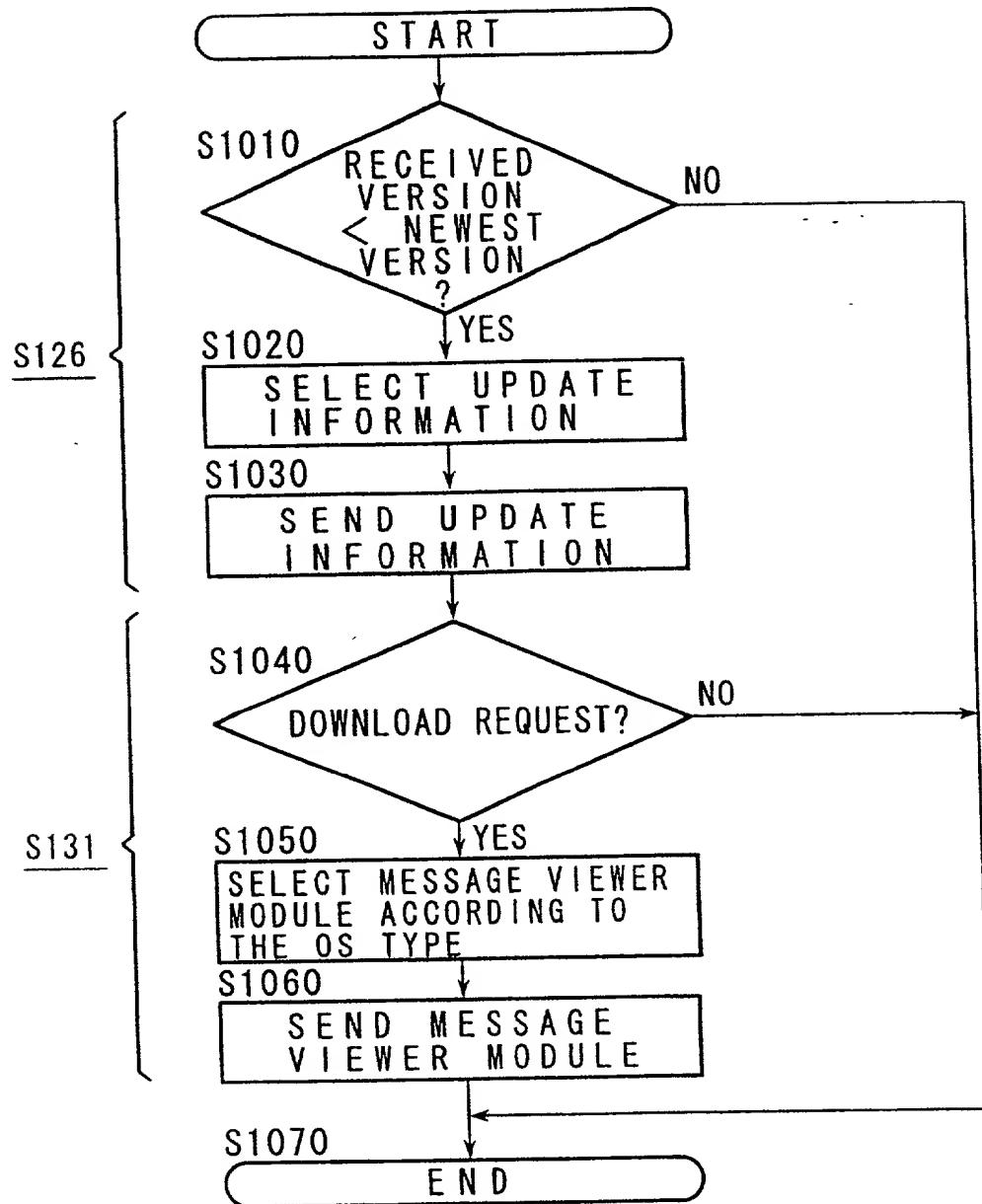


FIG. 33

**FIG.34**

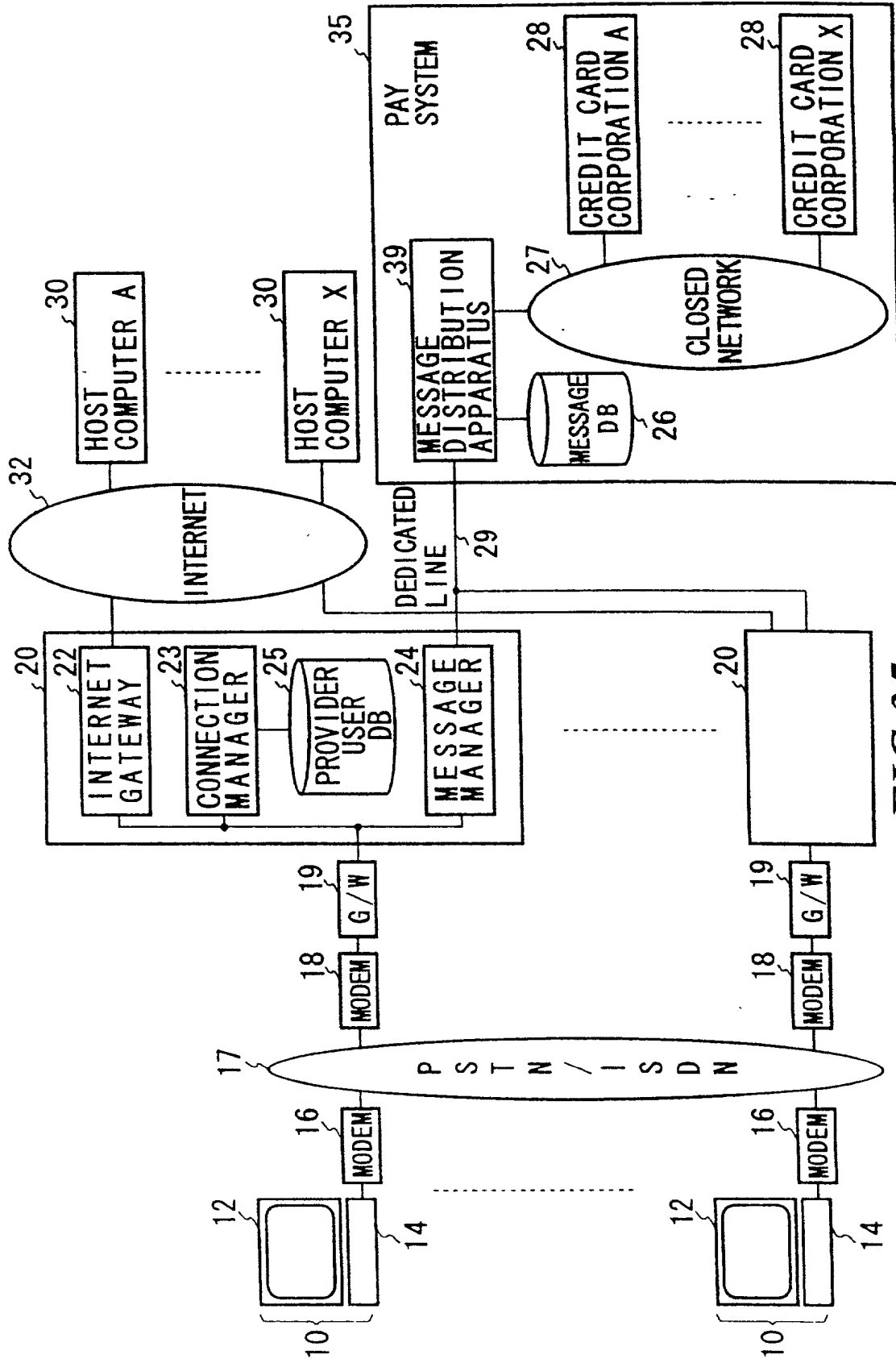


FIG.35

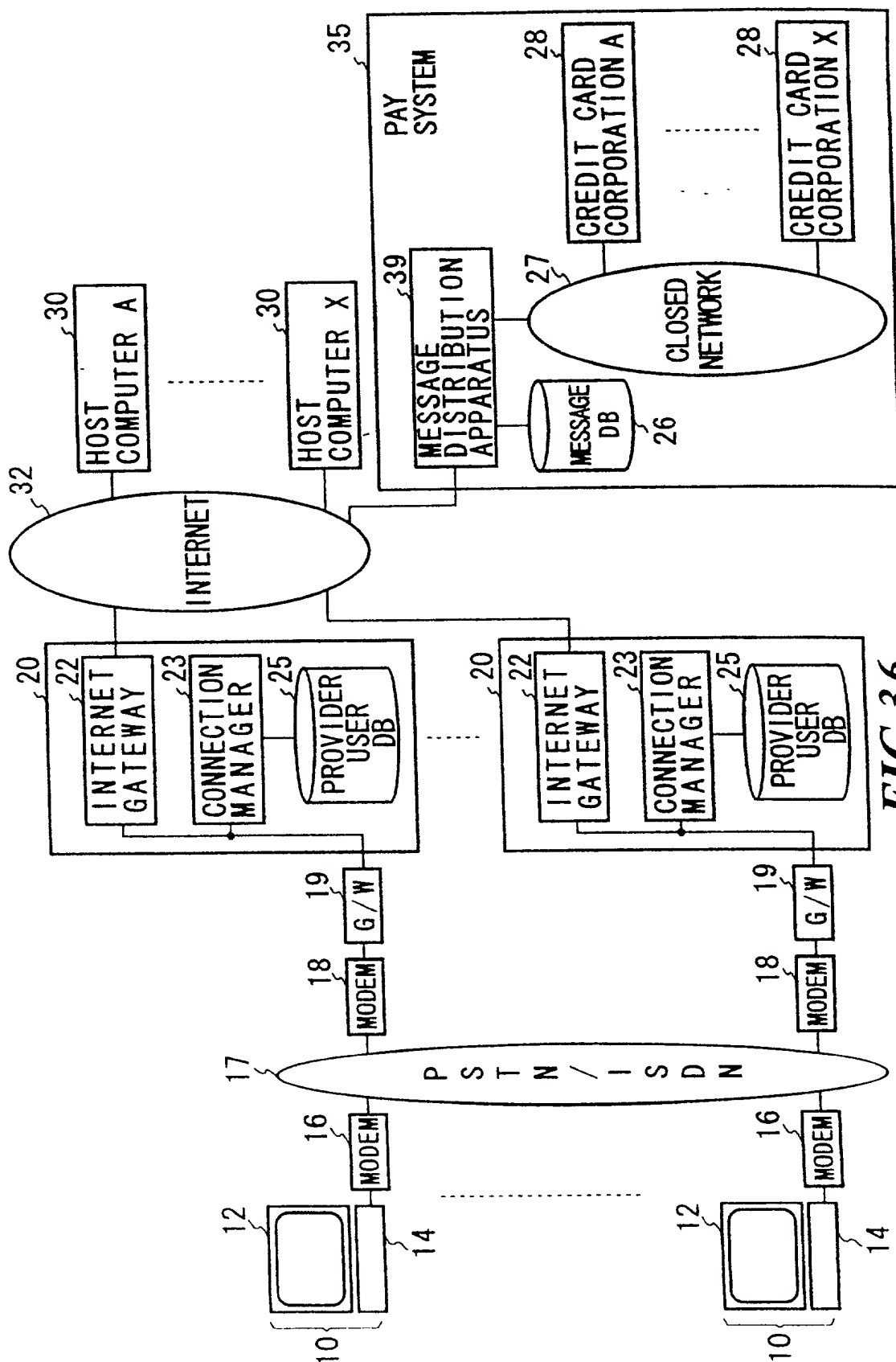


FIG. 36

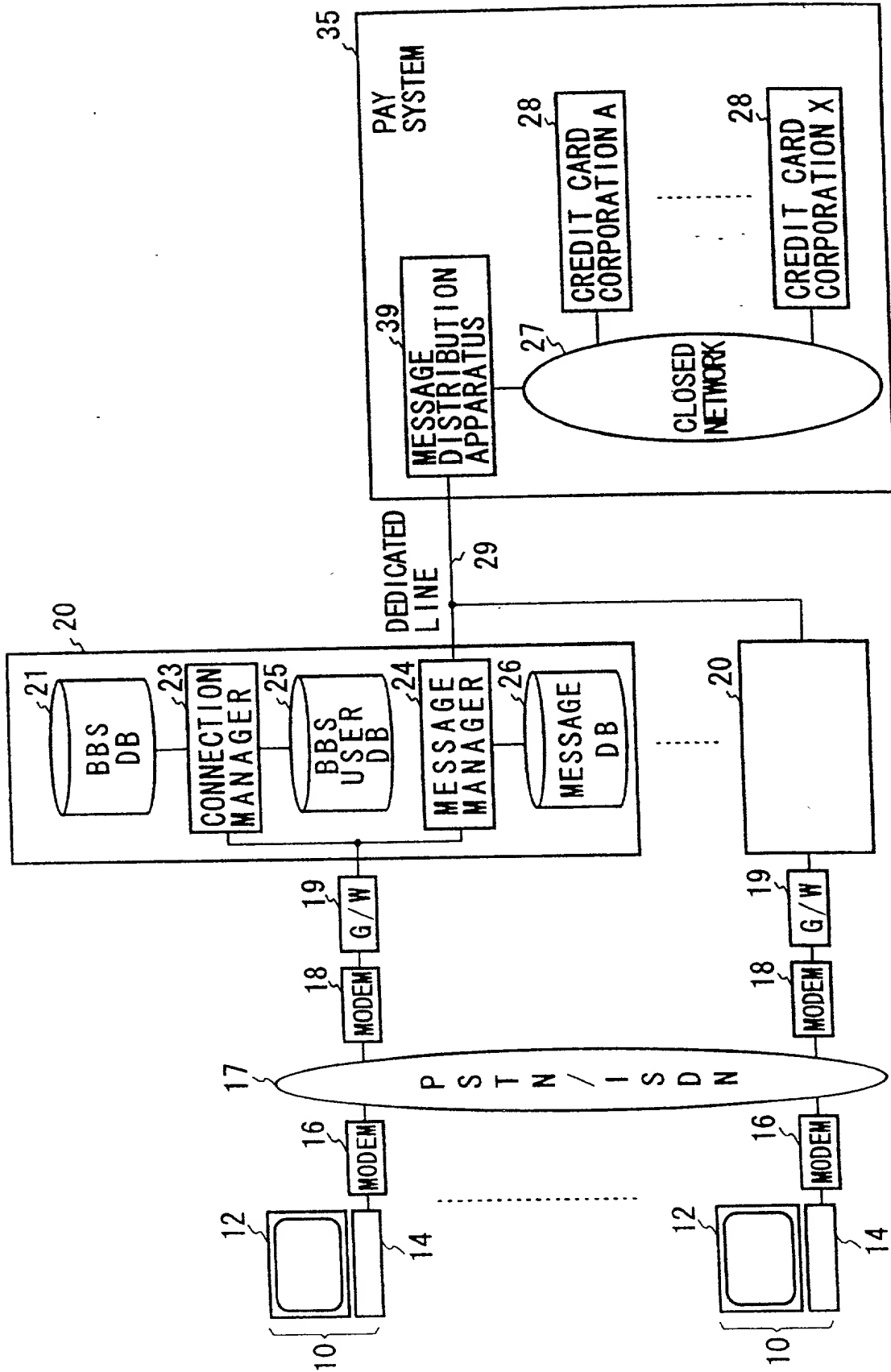


FIG.37